

WHAT IS CLAIMED IS:

1. A template comprising:
a body having first and second opposed surfaces and a plurality of spaced-apart flexures with regions of said second surface disposed between adjacent flexures defining a patterning region.
2. The template as recited in claim 1 wherein said first surface further includes a plurality of recessed regions with each of said plurality of flexures being defined by said recessed regions.
3. The template as recited in claim 1 wherein said patterning region is smooth.
4. The template as recited in claim 1 wherein said patterning region is planar.
5. The template as recited in claim 1 wherein said patterning region includes a plurality of recessions and protrusions.
6. The template as recited in claim 1 wherein said pattern region covers an area of said second surface that has a polygonal shape.
7. The template as recited in claim 1 further including a plurality of said patterning regions arranged in a two-dimensional array.

8. The template as recited in claim 1 further including a means for directing a force against said first surface.

9. The template as recited in claim 1 further including a fluid chamber having an inlet and a throughway, with said template being connected to said throughway.

10. The template as recited in claim 1 wherein said template is formed from material selected from a set of material consisting of quartz, fused-silica, silicon, organic polymers, siloxane polymers, borosilicate glass, fluorocarbon polymers, metal, silicon, silicon dioxide, silicon germanium carbon, gallium nitride, silicon germanium, sapphire, gallium arsenide, epitaxial silicon, poly-silicon, gate oxide, indium tin oxide, diamond, and combinations of the same.

11. A template, comprising:

a body having opposed first and second surfaces, with said first surface including a plurality of recessed regions defining a plurality of flexures with a region of said second surface disposed between adjacent recessed regions defining a patterning region.

12. The template as recited in claim 11 wherein said patterning region has a profile selected from a set of profiles including smooth, planar and patterned.

13. The template as recited in claim 11 wherein said pattern region covers an area of said second surface that has a polygonal shape.

14. The template as recited in claim 11 further including a plurality of said patterning regions arranged in a two-dimensional array.

15. The template as recited in claim 11 further including a fluid chamber having an inlet and a throughway, with said template being connected to said throughway.

16. A template, comprising:
a body having a plurality of spaced-apart flexure regions, a scalloped surface and a smooth surface, disposed opposite to said scalloped surface, with regions of said second surface disposed between adjacent flexure regions defining a patterning region, with said template including a plurality of patterning region and said flexure regions facilitating relative movement between said patterning regions.

17. The template as recited in claim 16 wherein one of said plurality of patterning regions has a profile selected from a set of profiles including smooth, planar and patterned and an area of said one of said plurality of patterning regions covers an area of said second surface that has a polygonal shape.

18. The template as recited in claim 17 wherein said plurality of patterning regions are arranged on said template in a two-dimensional array.

19. The template as recited in claim 18 further including a fluid chamber having an inlet and a throughway, with said template being connected to said throughway.

20. The template as recited in claim 19 wherein said template is formed from material selected from a set of material consisting of quartz, fused-silica, silicon, organic polymers, siloxane polymers, borosilicate glass, fluorocarbon polymers, metal, silicon, silicon dioxide, silicon germanium carbon, gallium nitride, silicon germanium, sapphire, gallium arsenide, epitaxial silicon, poly-silicon, gate oxide, indium tin oxide, diamond, and combinations of the same.